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| <b>UTILITY<br/>PATENT APPLICATION</b><br><br><b>TRANSMITTAL</b><br><br><i>(Only for original applications)</i>  | Attorney Docket No. 1793.1015<br><br>First Named Inventor or Application Identifier:<br>Byoung-Ho CHOI<br><br>Express Mail Label No.<br><br>ADDRESS TO:<br><b>Commissioner for Patents</b><br><b>Box Patent Application</b><br><b>PO Box 1450</b><br><b>Alexandria, VA 22313-1450</b> |
| <b>APPLICATION ELEMENTS</b><br><i>See MPEP chapter 600 concerning utility patent application contents.</i>  | <div style="text-align: right; font-size: small;">             22386 U.S. PTO<br/>             10/727980           </div>    |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> Fee Transmittal Form</li> <li>2. <input checked="" type="checkbox"/> Specification, Claims &amp; Abstract .....[Total Pages: <u>19</u>]</li> <li>3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) .....[ Total Sheets: <u>5</u> ] [FIGS. <u>1, 2, 3A through 3F, 4, and 5</u> ]</li> <li>4. <input type="checkbox"/> Oath or Declaration .....[ Total Pages: <u>  </u> ]           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))               <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>                   Signed statement attached deleting inventor(s) named in the prior application,<br/>                   see 37 CFR 1.63(d)(2) and 1.33(b).</li> </ol> </li> </ol> </li> <li>5. <input type="checkbox"/> Verified Statement Claiming Small Entity Status</li> <li>6. <input type="checkbox"/> Application Data Sheet. See 37 C.F.R. 1.76</li> <li>7. <input checked="" type="checkbox"/> Applicant claims foreign priority benefit to: <u>Korean Application 2003-28170 filed May 2, 2003</u></li> <li>8. <input type="checkbox"/> CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)</li> <li>9. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Form (CRF)</li> <li>b. <input type="checkbox"/> Specification Sequence Listing on:               <ol style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input type="checkbox"/> paper</li> </ol> </li> <li>c. <input type="checkbox"/> Statement verifying identity of above copies</li> </ol> </li> <li>10. <input type="checkbox"/> For publication of assignee information under 37 CFR 1.215(b), list the assignee as of . The Assignment papers will be filed later.</li> </ol> |   |
| <b>ACCOMPANYING APPLICATION PARTS</b>   |   |
| <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> Assignment (cover sheet &amp; document(s)) to of<br/> <input type="checkbox"/> for publication of assignee information under 37 CFR 1.215(b)</li> <li>12. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney</li> <li>13. <input type="checkbox"/> English Translation Document (if applicable)</li> <li>14. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations</li> <li>15. <input type="checkbox"/> Preliminary Amendment</li> <li>16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</li> <li>17. <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)</li> <li>18. <input type="checkbox"/> Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form<br/>             PTO/SB/35 or its equivalent</li> <li>19. <input type="checkbox"/> Other:</li> </ol>   |   |
| <b>20. CORRESPONDENCE ADDRESS</b>   |   |
| 21171   |   |



13281 U.S. PTO

S&amp;H Form (10/03)

|  |   |                     |                     |                                  |                  |                |         |
|--|---|---------------------|---------------------|----------------------------------|------------------|----------------|---------|
| <b>NEW APPLICATION<br/>FEE TRANSMITTAL</b>   |   | Attorney Docket No. |                     | 1793.1015                        |                  |                |         |
|  |   | Application Number  |                     | (Unassigned)                     |                  |                |         |
|  |   | Filing Date         |                     | December 5, 2003                 |                  |                |         |
| AMOUNT ENCLOSED  |   | \$ 0.00             |                     | First Named Inventor             |                  | Byoung-Ho CHOI |         |
| <b>FEE CALCULATION (fees effective 10/01/03)</b>   |   |                     |                     |                                  |                  |                |         |
| CLAIMS   | (1) FOR   | (2) NUMBER<br>FILED | (3) NUMBER<br>EXTRA | (4) RATE                         | (5) CALCULATIONS |                |         |
|  | TOTAL CLAIMS  | 47 - 20 =           | 27                  | X \$ 18.00 =                     | \$ 486.00        |                |         |
|  | INDEPENDENT<br>CLAIMS   | 8 - 3 =             | 5                   | X \$ 86.00 =                     | 430.00           |                |         |
|  | MULTIPLE DEPENDENT CLAIMS (any number;<br>if applicable)                            |                     |                     | + \$290.00 =                     |                  |                |         |
|  |   |                     |                     | BASIC FILING<br>FEE              | 770.00           |                |         |
|  |   |                     |                     | Total of above<br>Calculations = | \$ 1686.00       |                |         |
|  | Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f))<br>(\$130.00)   |                     |                     |                                  |                  |                |         |
|  | Reduction by 50% for filing by small entity (37 CFR 1.27).                          |                     |                     |                                  |                  |                |         |
|  |   |                     |                     | TOTAL FILING<br>FEE =            | \$ 1686.00       |                |         |
|  | Surcharge for filing non-English language application (\$130.00;<br>37 CFR 1.52(d)) |                     |                     |                                  |                  |                |         |
|  | Recordation of Assignment (\$40.00; 37 CFR 1.21(h))                                 |                     |                     |                                  |                  |                |         |
|  |   |                     |                     | TOTAL FEES<br>DUE =              | \$ 1686.00       |                |         |
| <b>METHOD OF PAYMENT</b>   |   |                     |                     |                                  |                  |                |         |
| <input type="checkbox"/> Check enclosed as payment.  |   |                     |                     |                                  |                  |                |         |
| <input type="checkbox"/> Charge "TOTAL FEES DUE" to the Deposit Account No. below.   |   |                     |                     |                                  |                  |                |         |
| <input checked="" type="checkbox"/> No payment is enclosed and no charges to the Deposit Account are authorized at this time<br>(unless specifically required to obtain a filing date).  |   |                     |                     |                                  |                  |                |         |
| <b>GENERAL AUTHORIZATION</b>   |   |                     |                     |                                  |                  |                |         |
| <input type="checkbox"/> If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby<br>authorized to credit any overpayment or charge any additional fees necessary to:   |   |                     |                     |                                  |                  |                |         |
| Deposit Account No.  |   | 19-3935             |                     |                                  |                  |                |         |
| Deposit Account Name   |   | STAAS & HALSEY LLP  |                     |                                  |                  |                |         |
| <input checked="" type="checkbox"/> The Commissioner is also authorized to credit any overpayments or charge any additional fees<br>required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the<br>prosecution of this application, including any related application(s) claiming benefit hereof<br>pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or<br>continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any<br>such related application. |   |                     |                     |                                  |                  |                |         |
| <b>SUBMITTED BY: STAAS &amp; HALSEY LLP</b>  |   |                     |                     |                                  |                  |                |         |
| Typed Name   |   | Michael D. Stein    |                     |                                  | Reg. No.         |                | 37,240  |
| Signature  |   |                     |                     |                                  | Date             |                | 12/5/03 |